

BEST AVAILABLE COPY

January 28, 2004

Mr. Chris Ruben  
Fe-Lines, Inc.  
[REDACTED]

**SUBJECT:** Chemical analysis on several adhesive tapes and consulting on product as requested by the above company.  
Purchase Order Number

**RECEIVED:** 1. Sticky Paws for Furniture  
[REDACTED]

3. Paws Off! (Roll)

4. Paws Away (Strips)  
[REDACTED]  
[REDACTED]  
[REDACTED]

**POLYMER IDENTIFICATION: ASTM D 3677-00**

Instrument: Perkin Elmer Spectrum BX Spectrometer  
Resolution: 4.0  
Number of Scans: 6  
Method of Preparation: Film Method

**Sample Identification**

Sticky Paws  
[REDACTED]

Paws Off

Paws Away  
[REDACTED]  
[REDACTED]

**Polymer Identification**

Polyacrylate\*  
[REDACTED]

Styrene-isoprene-Styrene / Styrene-butadiene-Styrene

Poly(butyl acrylate)\*\*  
[REDACTED]  
[REDACTED]

\* The Sticky Paws sample appears to be Poly(ethylhexyl acrylate) [REDACTED]  
[REDACTED]

\*\* Best matches in our Polyacrylate libraries

Enclosed please find the infrared spectra of the samples.

Instrument: Hewlett Packard HP6890 GC/MS  
Method: SOLEXT 42.M  
Column: Bonded; poly (5% diphenyl/95% dimethylsiloxane)  
Samples: [REDACTED] Sticky Paws [REDACTED]

RESULTS  
None of the extracts of the three tapes evaluated contained organic additives. All contained polymer fragments. Enclosed are the chromatograms for reference.

COMMENTS  
The following discussion is an attempt to answer questions submitted.

- Polymer fingerprints and identification were performed on six ( 6 ) different samples
- The adhesive used in Sticky Paws [REDACTED] are comprised of a family of adhesives identified as polyacrylates but appear to be different in the type of monomer used to produce the polyacrylates.
- All the tapes contain FDA approved polymers and have been used as adhesives for skin contact. [REDACTED]

The product life depends on the substrate that it is attached including such solid material characteristics as surface contact area, type of finish, surface tension, etc., if product life ends when the adhesive cannot be easily removed from the substrate.

Mr. Chris Ruben  
Fe-Lines, Inc.  
Project Number:  
Page 3

COMMENTS - Continued

- The adhesive used in Sticky Paws is used in the Medical supplies field. FDA does not sanction products but dictates what testing and requirements are required for a specific application. The FDA regulates food and drugs and items that will come in contact with such or added to.
- The adhesives used in Sticky Paws and Paws Away are both polyacrylates; however, the monomers used to manufacture those adhesives appear to be different.
- [REDACTED]
- We would suggest isopropanol or rubbing alcohol. It will not dissolve the adhesives but soften them up enough to be able to ball it up from solid substrates. One may have to carefully work at fabric substrates. Of course, one must first test a non-conspicuous portion of the substrate to determine if any damage may occur to the substrate.
- Same as above